



**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:BF29SY



Fitting Guide & Owners Manual

FORD F250

01/17on Limited

Winch Compatible Big Tube Bar
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES



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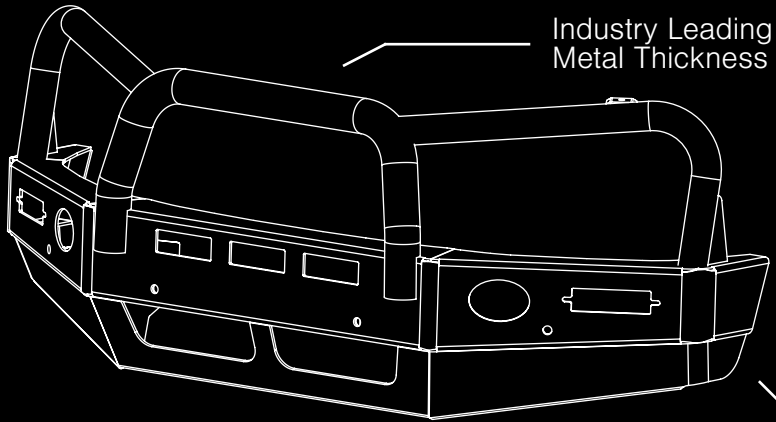
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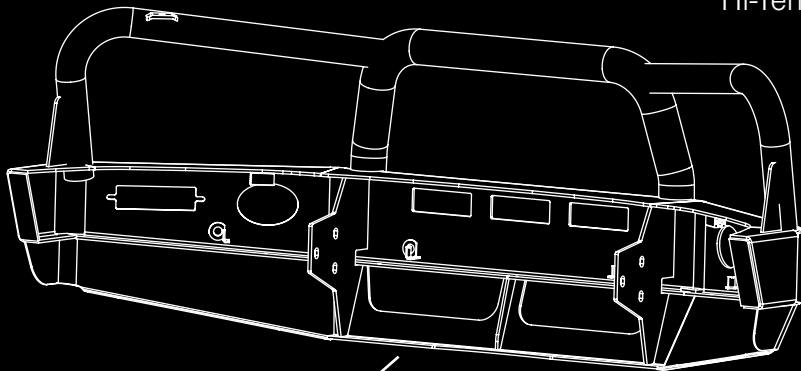
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The Features of ECB



Industry Leading
Metal Thickness

6mm Thick
Hi-Tensile Alloy



Unmatched
Strength

Fully Welded
Construction

ECB's Benefits

Built to Perform - Not to a Price

ECB are proud to claim that their channels are not jigsaw puzzles that are bolted together, or even multiple sections welded together. Where any welding is required, it is done to the highest standards by qualified welders, not machines.

Anti-Corrosive Nature of Alloy

The composition of ECB's alloy has a very high resistance to corrosion. Rust not only looks unappealing but greatly reduces the strength of the metal. Rust can and will weaken the structural integrity of a steel bullbar effectively rendering it useless over time.

Australian Made

Established in 1971, we utilise over 46 years of experience designing, engineering and building products in Australia to suit Australian conditions. We can ensure the best quality controls and help support the local economy and employ over 90 proud Australians.

Weight Saving Benefits

An ECB alloy bullbar is typically half the weight of a steel bullbar. Unnecessary suspension upgrades are not required. The reduced weight also contributes to increased fuel economy and less wear and tear on tyres, suspension and braking components.

Welds That Work

ECB uses only the strongest welds and welding techniques to ensure every product is as structurally sound as possible. MIG (Metal Inert Gas) welding techniques are employed ensuring the welds are as thick as the thickest section of alloy's being joined together.

Lifetime Warranty

ECB provide a lifetime warranty and consumer guarantee on all of our manufactured products. This guarantee highlights the confidence in our ability and provides complete peace of mind for your purchase for the lifetime you own your vehicle.

Product Care

Polished Products

Being a premium mirror polished finish, regular maintenance will be required to keep that iconic ECB shine. We recommend using our own brand of Aluminium Polish. This formula has been tried and tested and in our opinion is the world's best standard.

Directions: Apply a small quantity of Aluminium Polish to a clean soft cloth and rub the metal surface. The longer the rubbing the brighter the surface becomes. Wipe off Aluminium Polish with clean soft cloth. Also suitable for motorised buffing machines.

Note: There are more specific details on the polish bottle. Please read before use.

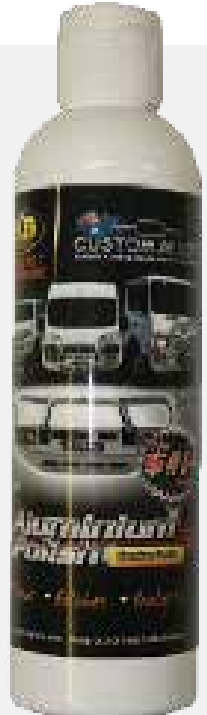
Powdercoated Products

Our powdercoated finishes are very low maintenance. Infact there is actually very little you will ever need to do for this product. Just clean it as you would your car and it will stay looking good as new.

ECB Aluminium Polish

When you're looking for that showroom finish look for your polished automotive products, you can depend on the no compromise quality of East Coast Bullbars Aluminium Polish. This specifically designed product is the best polish available and we guarantee that this \$#!+ works. With over 40 years of manufacturing polished alloy products we have trialed a large range of different polishes on the market and believe without a doubt that nothing beats the finish quality of East Coast Bullbars Aluminium Polish.

East Coast Bullbars Aluminium Polish is excellent for use by hand and is ideal for polished bullbars, nudge bar and stainless steel products. This polish will clean, polish and protect your product from the elements whilst bringing your products back to that showroom finish look.



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Stage 1

- Test drive vehicle to ensure all driver assists are correctly working and to gauge effectiveness. Park on a flat level surface.
- Apply parking brake and lift bonnet.
- Unwrap ECB Protection bar and disconnect mounts. Discard bolts.
- Ensure these instructions are left with the vehicle owner and/or operator.
- **NOTE:** This bar suits the Limited model or any vehicle fitted with the Ultimate Trailer Tow Camera System option.



Stage 2

- Remove fourteen (14) push pull clips from top plastic trim and remove.
- Remove eight (8) 10mm head bolts from top of grille, unplug wiring from camera and washer line from washer jet.
- Remove grille by pulling forward gently.



Stage 3

- Remove plastic covers from area around tow hooks to access bolts.



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Stage 4

- Remove four (4) 18mm head bumper bar bolts from front of chassis per side.
- Remove four (4) 13mm head bolts from bumper stay per side at chassis rail end.
- Unplug fog lights if required and unplug wiring loom from passengers side chassis rail under radiator.
- Remove bumper



Stage 5

- Remove four (4) 18mm head bolts from tow hook (per side).
- Remove four (4) 18mm head nuts from under run brackets (per side). Remove bolt plates from rail.



Stage 6

- Install ECB support brackets (supplied) to inside of chassis rail, using two (2) M12 x 1.75 x 40 bolts, flat washers, spring washers and nuts (per side) (supplied). **Finger tighten only.**



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Stage 7

- Place tow hooks into holes in winch frame as shown.
- Fit winch frame onto chassis rails using three (3) M12 x 1.75 x 40 bolts, flat washers, spring washers and nuts (supplied) on outside of winch frame (per side).
- Fit two (2) M12 x 1.75 x 40 bolts, flat washers, spring washers and nuts (per side) (supplied) into inside chassis mount holes. Use original bolts for tow hooks. **Tighten all bolts.**



Stage 8

- Fit fairlead roller to front of ECB winch frame using bolts supplied with winch. **Finger tighten only.**



Stage 9

- Move support brace on winch to rear (if necessary for your winch).
- Install winch into ECB winch frame (supplied) using bolts supplied with winch. Attach control box mount to winch frame using two (2) M10 x 1.5 x 35 bolts, flat washers, spring washers and nuts (supplied).
- Attach control box to Control box mount with bolts as per instructions supplied with winch.
- Wire winch as per manufacturers instructions.

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Stage 10.

- Remove camera from grille badge by removing two (2) T20 Torx screws from washer jet.

NOTE: Washer jet has a cover on the front of the badge. Excess extension of washer unit will cause damage.

- Refit camera washer jet unit to grille badge.



Stage 11.

- Reroute wiring loom to gain length for camera in protection bar.



Stage 12.

- Refit grille using original equipment bolts and clips.
- Pull camera wiring through existing camera hole in grille.



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Stage 13.

- Install camera to protection bar and fix camera plate with two (2) self tapping screws supplied.



Stage 14.

- Carefully remove sonar unit from original equipment bracket on the bumper, three (3) 11mm head nuts.

Caution: Do not hit or drop the sonar unit. This is safety equipment and is easily damaged.



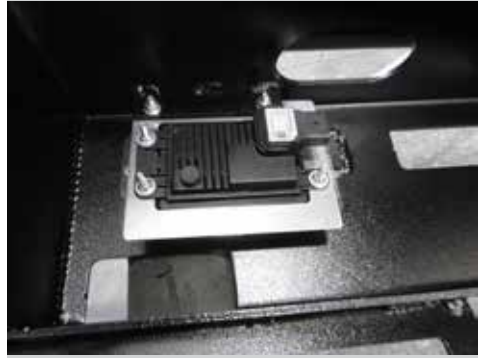
Stage 15.

- Remove plastic protection coating from plastic sonar cover.
- Place three (3) M6 x 50 Bolts, flat washers and nuts (supplied) into plastic sonar cover (supplied) install second nut (supplied) to rear.
- Relocate sonar unit onto ECB alloy bracket and (supplied) install to rear of plastic sonar cover.
- Ensure there is a gap between plastic sonar cover and front of sensor and plastic is parallel to front of sonar.



Stage 16.

- Fit sonar unit onto protection bar with two (2) M8 X 30 bolts, flat washers and nyloc nuts (supplied).
- Ensure sonar unit is parallel to front of channel.



Stage 17.

- Fit ECB LED indicator / park lights into protection bar as per instructions supplied with the LED indicator kit.
NOTE: Ensure park light is to top.



Stage 18.

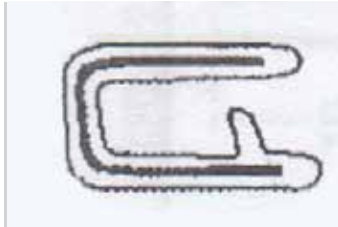
- Attach ECB fog lights to protection bar. Place M6 x 20 bolts, spring washers (supplied) through light mount from inside and attach nut to top. Slide assembly into light mount in Protection bar and centralize light to hole. **TIGHTEN FIRM ONLY.**
- Install fog light surrounds (supplied) to fog light openings and winch openings. Large side of surround to inside of opening on lights and to rounded side of winch openings.



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Stage 19.

- Attach 6mm clip lock trim (supplied) to top of ECB protection bar. NOTE: Trim off lower edge on an angle so trim will sit flush with end of protection bar.



Stage 20.

- Zip tie wiring harness to protection bar using zip ties supplied.
- Ensure harness is clear of sharp edges and moving parts.



Stage 21.

- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.
- Install ECB quick click wiring harnesses (supplied) between disconnected fog light harness and fog light in protection bar.



Pin Number	Use
1	Indicator
3	Parking light
Body connection	Earth (ground)

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Stage 22.

- Fit protection bar onto steel mount with three (3) M12 x 1.75 x 40 bolts, flat washers, spring washers and nuts (supplied) (per side).
- Align protection bar to front of vehicle and **tighten all bolts.**



Stage 23.

- Install underbelly guard to rear of winch frame and chassis rail using three (3) M6 x 20 bolts, flat washers, spring washers and nyloc nuts (supplied) and two (2) M10 x 1.5 x 35 bolt and washer on wire, flat washer, spring washer and nuts (supplied).
- **Tighten all bolts**



Stage 24.

- Connect and check all electrical items for correct operation.
- Test drive vehicle to ensure all driver assists are working as per start up test drive.

Final Checks

Ensure Number Plate is Clearly Visible

Note: When fitting/refitting the licence plate to the vehicle, ensure there is no obstruction to licence plate vision in accordance with local authorities. If required relocate licence plate to an alternate location.

Further VFPS Notes

1. Do not attach VFPS to the vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts).
2. Do not use this product for any vehicle make or model, other than those specified by the VFPS manufacturer.
3. Do not remove the plaque or label from the VFPS.
4. Do not modify the structure of the VFPS in any way.
5. No accessory or fitment should project forward of the VFPS forward profile.
6. **Ensure these instructions are left with the vehicle owner and/or operator.**

Important Information

Periodically check bolts and nuts for correct tightness, especially if traveling on rough roads.

Installation Kit

Installation Kit

1 - Steel winch frame	4 - M8 flat washers
1 - Pair steel support brackets	2 - M8 x 1.25 nyloc nuts
1 - Underbelly guard	3 - M6 x 50mm bolts
1 - Control box mount	5 - M6 x 20mm bolts
1 - Alloy sonar mount	18 - M6 flat washers
1 - Alloy camera plate	2 - M6 spring washers
1 - Plastic sonar cover	8 - M6 nuts
20 - M12 x 1.75 x 40mm bolts	6 - M6 nyloc nuts
40 - M12 flat washers	2 - 8g x 12 self drilling screws
20 - M12 Spring washers	1 - Indicator / park kit (ICLED104ECB)
20 - M12 x 1.75mm nuts	6 - Cable locks
2 - M0 x 1.5 x 35mm bolts	1 - Fog light kit
2 - M10 x 1.5 x 35 bolt and washer on 300mm wire.	1 - Quick click kit (IC10D40S1004ECBH)
6 - M10 flat washers	4 - Fog light surrounds
4 - M10 spring washers	1 - 2500mm length, 6mm clip lock trim
4 - M10 x 1.5mm nuts	1 - 650m length, 6mm clip lock trim
2 - M8 x 1.25 x 30mm bolts	10 - 30mm zip ties

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: _____

Email: _____

Phone: _____

Work Order Number: _____

You can find this on the silver label
of your ECB product.

By submitting this registration you automatically subscribe to ECB's mail outs.
You can unsubscribe at any time.

Or Register Online

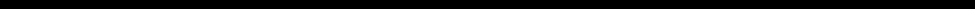
For online registration please go online to www.ecb.com.au/TBC. If you have any questions please contact our national office on 1800 069 145 or www.ecb.com.au.



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**Please post to: PO Box 122,
Margate QLD 4019**

Notes

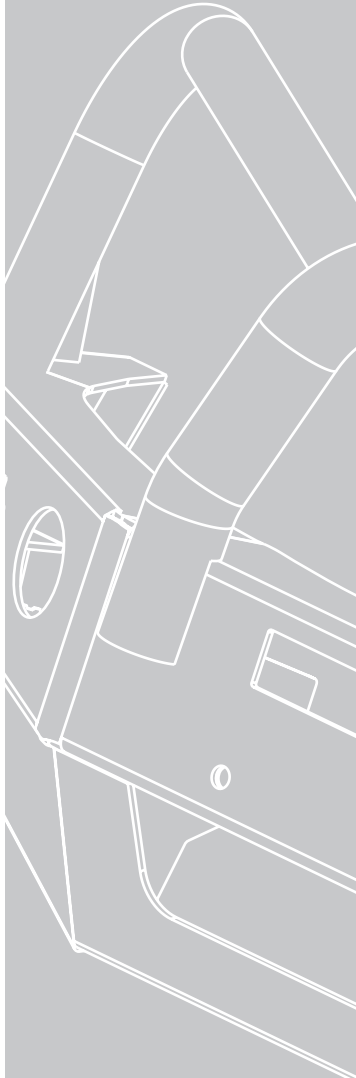


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_____ Full Name

_____ Date

REPLACES: N/A
REVISED: 19.06.19



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Strongest Built Australian Made Lifetime Warranty

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